

# CLAIMS

- [c1] 1. In a communication device, a method for adding a new member to an active group call in a group communication network, the method comprising:
- receiving a member list from a user; and
  - sending a request to a server to add the member list to the active group call.
- [c2] 2. In a communication device, a computer-readable medium embodying a method for adding a new member to an active group call in a group communication network, the method comprising:
- receiving a member list from a user; and
  - sending a request to a server to add the member list to the active group call.
- [c3] 3. A communication device for adding a new member to an active group call in a group communication network, comprising:
- means for receiving a member list from a user; and
  - means for sending a request to a server to add the member list to the active group call.
- [c4] 4. A communication device for adding a new member to an active group call in a group communication network, the communication device comprising:
- a receiver;
  - a transmitter; and
  - a processor communicatively coupled to the receiver and the transmitter, the processor being capable of:
    - receiving a member list from a user; and
    - sending a request to a server to add the member list to the active group call.
- [c5] 5. In a server, a method for adding a new member to an active group call in a group communication network, the method comprising:
- receiving a request for adding a member list to an active group call; and
  - adding the member list to the active group call.
- [c6] 6. The method of claim 5, further including announcing the group call to each member in the member list.

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- [c7] 7. The method of claim 6, further including:  
receiving acknowledgement from a member in the member list who wishes to participate in the group call; and  
forwarding media to the member.
- [c8] 8. The method of claim 7, further including triggering the member to re-establish its traffic channel before said forwarding the media.
- [c9] 9. The method of claim 8, further including buffering media for transmission to the member after its traffic channel is re-established.
- [c10] 10. The method of claim 6, wherein the announcing includes transmitting a message on a forward common channel of a wireless network.
- [c11] 11. The method of claim 10, wherein the transmitting includes transmitting the message on a forward paging channel (F-PCH) of the wireless network.
- [c12] 12. The method of claim 10, wherein the transmitting includes transmitting the message on a forward common control channel (F-CCCH) of the wireless network.
- [c13] 13. The method of claim 10, wherein the transmitting includes transmitting the message in short data burst (SDB) form.
- [c14] 14. In a server, a computer-readable medium embodying a method for initiating a group call in a group communication network, the method comprising:  
receiving a request for adding a member list to an active group call; and  
adding the member list to the active group call.
- [c15] 15. The computer-readable medium of claim 14, wherein the method further includes announcing the group call to each member in the member list.

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[c16] 16. The computer-readable medium of claim 15, wherein the method further includes: receiving acknowledgement from a member in the member list who wishes to participate in the group call; and

forwarding media to the member.

[c17] 17. The computer-readable medium of claim 16, further including triggering the member to re-establish its traffic channel.

[c18] 18. The computer-readable medium of claim 17, wherein the method further includes buffering media for transmission to the member after its traffic channel is re-established.

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[c19] 19. The computer-readable medium of claim 15, wherein the announcing includes transmitting a message on a forward common channel of a wireless network.

[c20] 20. The computer-readable medium of claim 19, wherein the transmitting includes transmitting the message on a forward paging channel (F-PCH) of the wireless network.

[c21] 21. The computer-readable medium of claim 19, wherein the transmitting includes transmitting the message on a forward common control channel (F-CCCH) of the wireless network.

[c22] 22. The computer-readable medium of claim 19, wherein the transmitting includes transmitting the message in short data burst (SDB) form.

[c23] 23. A server for adding a new member to an active group call in a group communication network, comprising:

means for receiving a request for adding a member list to an active group call; and

means for adding the member list to the active group call.

[c24] 24. The server of claim 23, further including means for announcing the group call to each member in the member list.

- [c25] 25. The server of claim 24, further including:  
means for receiving acknowledgement from a member who wishes to participate in the group call; and  
means for forwarding media to the member.
- [c26] 26. The server of claim 25, further including means for triggering the member to re-establish its traffic channel.
- [c27] 27. The server of claim 26, further including means for buffering media for transmission to the member after its traffic channel is re-established.
- [c28] 28. The server of claim 24, wherein the means for announcing includes means for transmitting a message on a forward common channel of a wireless network.
- [c29] 29. The server of claim 28, wherein the means for transmitting includes means for transmitting the message on a forward paging channel (F-PCH) of the wireless network.
- [c30] 30. The server of claim 28, wherein the means for transmitting includes means for transmitting the message on a forward common control channel (F-CCCH) of the wireless network.
- [c31] 31. The server of claim 28, wherein the means for transmitting includes means for transmitting the message in short data burst (SDB) form.
- [c32] 32. A server for adding a new member to an active group call in a group communication network, the server comprising:  
a receiver;  
a transmitter; and  
a processor communicatively coupled to the receiver and the transmitter, the processor being capable of:  
receiving a request for adding a member list to an active group call; and  
adding the member list to the active group call.

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- [c33] 33. The server of claim 32, wherein the processor is further capable of announcing the group call to each member in the member list.
- [c34] 34. The server of claim 33, wherein the processor is further capable of:  
receiving acknowledgement from a member who wishes to participate in the group call;  
and  
forwarding media to the member.
- [c35] 35. The server of claim 34, further including triggering the member to re-establish its traffic channel.
- [c36] 36. The server of claim 35, wherein the processor is further capable of buffering media for transmission to the member after its traffic channel is re-established.
- [c37] 37. The server of claim 36, wherein the announcing includes transmitting a message on a forward common channel of a wireless network.
- [c38] 38. The server of claim 37, wherein the transmitting includes transmitting the message on a forward paging channel (F-PCH) of the wireless network.
- [c39] 39. The server of claim 37, wherein the transmitting includes transmitting the message on a forward common control channel (F-CCCH) of the wireless network.
- [c40] 40. The method of claim 37, wherein the transmitting includes transmitting the message in short data burst (SDB) form.
- [c41] 41. A server for adding a new member to an active group call in a group communication network, the server comprising:  
a dispatcher that receives a request for adding a new member to an active group call based on a member list; and  
a controller that announces the group call based on the member list.
- [c42] 42. The server of claim 41, wherein the dispatcher determines location information for each member in the member list.

[c43] 43. The server of claim 42, wherein the controller includes a local controller for a member that is located within a local region.

[c44] 44. The server of claim 42, wherein the controller includes a remote controller for a member that is located outside a local region.

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